

20030906.qrp v03_n035.qrl.20030906

Date: Sat, 6 Sep 2003 19:03:08 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3035

QRP-L Digest 3035

Topics covered in this issue include:

- 1) [157380] Latest Bacon Bits Now ONline
by "Brian Murrey" <brian@iquest.net>
- 2) [157381] WTB or trade: Weights for Vibroplex Bug
by Marv Fagenson <k6hcj@juno.com>
- 3) [157382] Serial # on Recent Argonaut V's
by wo7t@juno.com
- 4) [157383] Fists Coast to Coast contest
by "Paul Beringer" <fistsc2c@yahoo.com>
- 5) [157384] Fwd: Rig statistics 14th OQRPC
by dl6aaf@t-online.de
- 6) [157385] digital QSO verses CW QSO speeds
by Bob Sellars <kb2fel@yahoo.com>
- 7) [157386] Fists Coast to Coast contest
by "Paul Beringer" <fistsc2c@yahoo.com>
- 8) [157387] Re: Broadband on Power Lines
by Tim Groat <tcgroat@earthlink.net>
- 9) [157388] Vancouver, BC?
by Stephen Wandling <stephen@SwiftsureConsulting.com>
- 10) [157389] Re: Island Pad Cutter - sort of...
by "George Heron N2APB" <n2apb@erols.com>
- 11) [157390] Re: Serial # on Recent Argonaut V's
by Bob Sellars <kb2fel@yahoo.com>
- 12) [157391] Elecraft new product....
by Bruce Rattray <rattray@gpfn.sk.ca>
- 13) [157392] Need Gates CYCLON Cells
by Donald E Sanders <w4bws@juno.com>
- 14) [157393] RE: WTB or trade: Weights for Vibroplex Bug
by "AI2Q" <ai2q@adelphia.net>
- 15) [157394] New Elecraft Product: KX1 Ultra-portable HF QRP Transceiver
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 16) [157395] KX1 Price correction
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 17) [157396] Re: ARRL on-line courses
by KD5NWA <KD5NWA@cbayona.com>
- 18) [157397] Re: New Elecraft Product: KX1 Ultra-portable HF QRP Transceiver
by "John_K7FD" <john_k7fd@cablespeed.com>
- 19) [157398] RE: ARRL on-line courses

by "Hare,Ed, W1RFI" <w1rfi@arrl.org>

20) [157399] RE: Broadband on Power Lines
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>

21) [157400] Re: [Elecraft] New Elecraft Product: KX1 Ultra-portable HF QRP Transceiver
by "Rod N0RC" <rod@n0rc.us>

22) [157401] KX1 PCB picture and comparison chart added
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>

23) [157402] Re: KX1 Question
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>

24) [157403] All this HYPE about BPL radio interference ?
by John R Kirby <n3aaz-qrp@juno.com>

25) [157404] QRP Afield Sept 20th
by "Paul Stroud" <aa4xx@bellsouth.net>

26) [157405] QRP Field day !
by Rick McKee <kc8aon@juno.com>

27) [157406] Re: All this HYPE about BPL radio interference ?
by "DTX" <dtx@wood.tzo.com>

28) [157407] Re: QRP Field day !
by "Pat Whelton" <pwhelton@earthlink.net>

29) [157408] SPICE simulation controversy
by "Craig Johnson" <cbjohns@cbjohns.com>

30) [157409] Re: QRP Field day !
by "John Sielke" <jsielke@pobox.com>

31) [157410] Re: All this HYPE about BPL radio interference ?
by "Steve Yates - AA5TB" <aa5tb@arrl.net>

32) [157411] RE: SPICE simulation controversy
by "Lyle Johnson" <wa7gxd@fidalgo.net>

33) [157412] WV Fall All QRP
by Larry Cahoon <lejek@erols.com>

34) [157413] Re: SPICE simulation controversy
by "Mike Yetsko" <myetsko@insydesw.com>

35) [157414] Re: Elmer 160
by "John J. McDonough" <wb8rcr@arrl.net>

36) [157415] Re: SPICE simulation controversy
by "Leon Heller" <leon_heller@hotmail.com>

37) [157416] nice Saturday things...
by Lloyd Lachow <llachow@yahoo.com>

38) [157417] Re: SPICE simulation controversy
by "Chris Trask" <chistrask@earthlink.net>

39) [157418] Re: QRP Field day !
by Jeff <fantbb@yahoo.com>

40) [157419] Re: QRP Field day !
by Rick McKee <kc8aon@juno.com>

41) [157420] Re: SPICE simulation controversy
by "Bruce Kizerian" <kizerian@xmission.com>

42) [157421] DDS Daughtercard Kits sold out
by "George Heron N2APB" <n2apb@erols.com>

- 43) [157422] Re: nice Saturday things...
by <bill@n4qa.com>
- 44) [157423] Wilderness Radio still shipping
by Stephen Wandling <stephen@SwiftsureConsulting.com>
- 45) [157424] Re: SPICE simulation controversy
by Brad Thompson <Brad.Thompson@valley.net>
- 46) [157425] Re: QRP Field day !
by "John Sielke" <jsielke@pobox.com>
- 47) [157426] Fw: [KLQRP] QRP Afield Sept 20th
by "John Paul Keon" <jpkeon@nc.rr.com>
- 48) [157427] BPL Testing in Tucson?
by "Thomas Kuehl" <ac7a@earthlink.net>
- 49) [157428] Re: [fpqrp] QRP Field day !
by "philip wilcox" <pwilcox6042@wideopenwest.com>
- 50) [157429] Re: SPICE simulation controversy
by "Chris Trask" <chistrask@earthlink.net>
- 51) [157430] Re: BPL Testing in Tucson?
by "Doug Hendricks" <ki6ds@dospalos.org>
- 52) [157431] Re: nice Saturday things...
by "Brian Murrey" <brian@iquest.net>
- 53) [157432] Re: BPL Testing in Tucson
by "John Sielke" <jsielke@pobox.com>
- 54) [157433] nutter 40mtr moxon up
by Joel M Denison <hamjoel@juno.com>
- 55) [157434] Standard Integrated Circuits..How Standard is Standard??
by ve3ab@mail.mondenet.com
- 56) [157435] Solar Storm Warning
by KEN BROWN <qrpers@juno.com>
- 57) [157436] Any piggies want to come out and play??
by "Jerry Ford" <benlightnd13@mchsi.com>

Date: Fri, 5 Sep 2003 18:13:32 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Flying Pigs" <fpqrp-l@fpqrp.com>,
"QRPP-l" <QRPP-I@yahoogroups.com>, "QRP-L" <qrp-l@lehigh.edu>,
Subject: [157380] Latest Bacon Bits Now ONline
Message-ID: <002201c37403\$5423ebb0\$02fea8c0@bjmw2k>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The September 2003 issue of the Bacon Bits newsletter is now online.

The Bacon Bits is the newsletter of the Flying Pigs QRP Club
International, the website can be seen at <http://www.fpqrp.com> - Take a

look, and join us in the fun of QRP operations, project building, and fun filled outdoor events!

72 de KB9BVN

```
=====
KB9BVN/QRP QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Elecraft K1 - Attic Dipole - 5w
Member of the ARRL - SOC #400
FISTS 5695 CC 764 FPQRP #-57 Bacon Bits Editor
=====
```

Date: Fri, 5 Sep 2003 16:43:17 -0700
From: Marv Fagenson <k6hcj@juno.com>
To: qrp-l@Lehigh.edu
Cc: w6aug@arrl.net
Subject: [157381] WTB or trade: Weights for Vibroplex Bug
Message-ID: <20030905.164318.-1782591.0.k6hcj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

My buddy Len, W6AUG (DX honor roll) is in need of 2 or 3 weights for any Vibroplex bug. He picked this up at the local swap meet and the weights are missing. Contact Len directly at W6AUG@arrl.net or phone 818-998-7421.

mni tnx and 72,
Marv Fagenson
k6hcj@Juno.com

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Date: Sat, 6 Sep 2003 00:28:12 GMT
From: wo7t@juno.com
To: qrp-l@Lehigh.edu

Subject: [157382] Serial # on Recent Argonaut V's
Message-ID: <20030905.172823.24817.212500@webmail10.lax.unttd.com>
Mime-Version: 1.0
Content-Type: text/plain

QRP'ers:

Can recent purchasers please advise of latest serial numbers rolling out of Ten Tec factory for their Argonaut V.

Thanks in advance
Mark

The best thing to hit the internet in years - Juno SpeedBand!
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Date: Fri, 5 Sep 2003 17:29:42 -0700
From: "Paul Beringer" <fistsc2c@yahoo.com>
To: <qrp-1@Lehigh.EDU>
Subject: [157383] Fists Coast to Coast contest
Message-ID: <OKEEKIBJJJOAMBPELHNDBGEFHCEAA.fistsc2c@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

It's only a week away....the 3rd Annual Fists Coast to Coast contest. This is a reminder to everyone in Morse land that it s a great opportunity to get those club counts up. And don't forget that club operators can use their own call during off times to get the club points too. All clubs are encouraged to get their members on the air to carry the weight, so to speak, of keeping the club call on the air. I expect a lot of non-members to be participating and it would be a shame to disappoint them. This is a wonderful opportunity to spread the word about Fists and our camaraderie and Morse enthusiasm. We have some absolutely gorgeous certificates you can order for working 5, 10, 15, 20 and 25 clubs. And guess what, no logs to send in, just your score. The scores will be posted on the Fists Northwest web site. One of the bonuses of participating is that non members can use the points they rack up for Fists awards if they chose to become Fists members later on. The CW contest schedule is empty that weekend so get out your keys and join in. Point you browser to http://www.tomochka.com/k7fff/fnw_c2c03.html for complete details. Hope to see you on the air September 14th 0000Z to 2400Z on the 058 s .

73

Paul Beringer NG7Z
Coast to Coast chairman

DON'T MISS THIS YEAR'S COAST-TO-COAST EVENT!
http://www.tomochka.com/k7fff/fnw_c2c03.html

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.514 / Virus Database: 312 - Release Date: 8/28/2003

Date: Sat, 6 Sep 2003 02:41:31 +0200 (CEST)
From: dl6aaf@t-online.de
To: qrp-l@lehigh.edu
Subject: [157384] Fwd: Rig statistics 14th OQRPC
Message-ID: <200309060041.h860fYq01337@joringel.privnet.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

QRP-CONTEST-COMMUNITY (qrppcc)
c/o Dr.Hartmut Weber, DJ7ST
Schlesierweg 13
D-38228 SALZGITTER
Germany
Tel.:++495341-50113

31-Aug-2003

Rigs used in the 14th ORIGINAL-QRP-CONTEST (5/6. Juli 2003)

Dear OM,

following the already posted "soap box" now a 2nd partial result in the shape of a statistic of QRP rigs employed by participants.

The Elecraft K1 made the most noticeable jump ahead.
Weighing in equally and equally congenial is the side-by-side of Rockmite and ELBC-principle (DJ3KK), respectively representing "not really serious" entry and individual ingenuity.

Again the impression that on one hand there are rigs which are talked about a lot without making their presence felt, and on the other we have radios which get used without much ado:

18x FT-817
11x EleCraft K2
7x EleCraft K1
6x Sierra
5x TS-120V
4x ELBC-TRX (DJ3KK, CQ-DL 8/99, S.664)
4x Rockmite
4x TS-130V
3x Argonaut 509
3x FT-7
3x HW-9
2x Argonaut II
2x QRP14
2x QRP-MAS-TX (CQ-DL 9/02; DJ1ZB)
2x QRP+

1x:
Argo 556
Argonaut 505
Atlas 180 (rebuilt without PA)
BB02-CW-TRX
DSW-40 (Small Wonder Labs)
FT-707S
GM47-DZD (PA BSY34)
Hari T80P
Hari TX80/1 (2N2219A); 900mW
HB Compact Transceiver (G4WUS design; SPRAT)
HB TRX (PA 2N3632)
HB-TX; ECC82-6P9; 5W
HB TX (KT922B)
HB-CW-TRX. own design, built 1987,
HB-TRX (PA BSY34)
HB-TRX (QRP-Report 2/02; S.386)
HB-TRX ; 2W (DF2FQ des.; CQ-DL 1+2/95)
HB-TRX fm "Solid state design", p.214; IF 4.4 MHz
HB-TRX IF 9 MHz; PA 2xKT904A
HB-TRX similar SST-20; PA 2N3553
HB-TRX, 7 trans, PA 2N2905A
HB-TRX, 9 MHz, 4x SD340
HB-TRX: DDS-VFO; 5.2 MHz IF; PA 2N3866
HB-TRX; 5W
HB-TRX; IF 28&0,2 MHz; PA KT 907
HB-TRX; IF 455 /200kHz mech. filter
HB-TX , PA MRF475 ("QRP-Classics"); DC-RX
HB-TX; 0,8W; PA KT904b
Hegau

Howes HB-TRX
HW-8
Icom IC703
KNE QRP-99
MFJ "CUB"
MFJ-9020
Mini (DL9RM des.)
NorCal 20
NorCal 40 ("ugly construction")
NorCal 40A
OHR 100A
OHR Classic (PA 2SC2078)
Optimized QRP-TRX (QST Aug '80)
Phase Shift DC-TRX DOB80
Piccolino (nnp-version; BD106) (SPRAT 42, DJ1ZB)
Pixie, 3 trans.
QRP-TRX "RA3A0", 1W
Ramsey QRP-40; 400mW
SST-20
SW+ (Small Wonder Labs)
Ten-Tec 1320
Tramp 8
Tramp-Nachbau
TRX (QRP-MAS des.) PA 2N3553
URAL-80m
VFO-BA-FD-PA (EL83); 9W Input
VFO-BU-PA (2N3553)
VFO-DBLR-DBL-PA; 1W
VXO-BU-BU-PA (2SC2078); Hari 1991
VXO-FD-PA (2SC3950)
VXO-PA (2SC2166)
VXO/TR-PA (EF13-EF14; 400mW)
Yaesu VX-1200
"Zennox" (CQ-DL 5/87; DF4SQ)

- - - - -

So homebrewing again didn't fall behind or even dropped out.

(agn mni tks to Eddi, DK3UZ, for translation!)

73/2 Hal (Hartmut), DJ7ST

Date: Fri, 5 Sep 2003 17:50:16 -0700 (PDT)
From: Bob Sellars <kb2fel@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [157385] digital QSO verses CW QSO speeds
Message-ID: <20030906005016.50274.qmail@web80606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

With all of the no code petitions and discussion about how CW is an outdated mode. A Question came to mind. Does anyone know of tests or studies with respect to the speed to complete a digital QSO verses the speed to complete the exact same QSO using CW at lets say 20 to 25 WPM..

Just wondering?

KB2FEL/8

CW the oldest digital mode there is.

<http://www.geocities.com/kb2fel/kb2felqrp.html>

Do you Yahoo!?
Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Fri, 5 Sep 2003 18:07:11 -0700
From: "Paul Beringer" <fistsc2c@yahoo.com>
To: "FISTS reflector" <fists@mailman.qth.net>,
"CQ contest list" <cq-contest@contesting.com>,
Subject: [157386] Fists Coast to Coast contest
Message-ID: <OKEEKIBJJ0AMBPELHNDBOEFICEAA.fistsc2c@yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK....before I get flamed, my statement about no CW contests that weekend is not completely correct. Checking Ken Newman's excellent listing of QRP contests shows an overlap of several hours in the QRP category of the Louisiana QSO Party and the Tennessee QSO Party. My apologies go to those who are going to be active in those events. Fists C2C is an event in which you can participate when the rates get low in those fine QSO parties. I also encourage Fists members not involved in club duties to look for the CW ops in the those QSO parties. By participating in state QSO parties, we ensure that the sponsors will continue to be encouraged to put them on.

73 to all,
Paul Beringer NG7Z
Fists C2C chairman.

DON'T MISS THIS YEAR'S COAST-TO-COAST EVENT!
http://www.tomochka.com/k7fff/fnw_c2c03.html

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.514 / Virus Database: 312 - Release Date: 8/28/2003

Date: Fri, 05 Sep 2003 19:22:51 -0600
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-1@lehigh.edu
Subject: [157387] Re: Broadband on Power Lines
Message-ID: <5.1.1.6.2.20030905191604.00a50580@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The credit line of the article was snipped, but it was to be expected:
"Dr Keith MacLean is the chairman of the PLC Forum's Commercial and
Marketing Working Group." The article should be considered as accurate and
unbiased as any other marketing press release.

72,
--Tim (KR0U)

Date: Fri, 05 Sep 2003 18:48:10 -0700
From: Stephen Wandling <stephen@SwiftsureConsulting.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [157388] Vancouver, BC?
Message-ID: <3F593CDA.5020507@SwiftsureConsulting.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

I have recently discovered this group and am really enjoying it. To me
this is where the leading edge in ham radio exists. More with less.
I'm ex-W7VTZ, living in Canada for the last 35 years, and have probably
been a QRP operator for my entire ham career. Nothing in an Altoid tin
yet, but my 6V6 rig built on the wooden chassis just like in the ARRL

guide in 1952 probably didn't put 5W into the antenna.

I am reviving my ham activities, studying for the exam and probably won't have any trouble with the CW as it seems to have stuck with me. I will have to move quickly to the Advanced Class license as they are the only class that can build their own xmtr here. Kind of weird to my way of thinking. The best way to learn about your gear is to build it.

If there are any QRP operators/builders here in the Lower Mainland, maybe they can contact me off list if they are interested in sharing that portion of their hobby with an 'old newbie'.

Them Altoid mints don't taste *that* bad, once you get used to them

Stephen

Date: Fri, 5 Sep 2003 21:17:53 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [157389] Re: Island Pad Cutter - sort of...
Message-ID: <001701c37419\$cccf06b0\$f8c23ad0@GH001188>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

The NJQRP still offers the Islander Pad Cutters, Jim!
<http://www.njqrp.org/islanderpadcutter/index.html>

73, George N2APB

Date: Fri, 5 Sep 2003 19:10:24 -0700 (PDT)
From: Bob Sellars <kb2fel@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [157390] Re: Serial # on Recent Argonaut V's
Message-ID: <20030906021024.14390.qmail@web80603.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

My rig just two months old is
No TXCO in unit

Serial Number 01C1013X

I left the last digit out=X

KB2FEL/8

CW the best digital mode because I become the DtoA converter.

<http://www.geocities.com/kb2fel/kb2felqrp.html>

--- wo7t@juno.com wrote:

>

> QRP'ers:

>

> Can recent purchasers please advise of latest serial

> numbers rolling out of Ten Tec factory for their

> Argonaut V.

>

> Thanks in advance

> Mark

>

>

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<http://sitebuilder.yahoo.com>

Date: Fri, 5 Sep 2003 20:18:02 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: Low Power Group <qrp-l@LeHigh.EDU>

Subject: [157391] Elecraft new product....

Message-ID: <Pine.LNX.4.33.0309052007310.26187-1000000@neale.gpfn.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

...picture this...

...8:00 pm Pacific time eh?....well now that's gotta be...ummmmm....about
12 midnight eastern time eh!?...soooo...that means about
11...no...midnight...no 10 a.m....the next day...er...no...the same day...
ummm...oh boy...so 8 p.m. Pacific which is 11 p.m. eastern...annd we're 2
hours behind eastern...an it's 8:00 p.m. local time here which means...
2 hours behind Central time so that would be 6:00 p.m....huh?...lessee
it's 0215 zulu right now an we're 6 hours behind GMT so.....6 hours plus
2 hours UTC equals 8:00 p.m.....I think I'm gettin' it...now where's my
calculator?.....and so it's going in this humble shack tonight...

...72 - humbly, the Scribe...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Fri, 5 Sep 2003 22:25:45 -0400
From: Donald E Sanders <w4bws@juno.com>
To: qrp-l@lehigh.edu
Subject: [157392] Need Gates CYCLON Cells
Message-ID: <20030905.222604.-418457.0.w4bws@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have need for 2 cells of the Gates CYCLON type.
These are 2 volts per cell and usually have 6 in a pack.
I had two just open up, all the rest are in good shape.
Any one have a couple gathering dust?

Don W4BWS
w4bws@juno.com

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Date: Fri, 5 Sep 2003 22:59:02 -0400
From: "AI2Q" <ai2q@adelphia.net>

To: <k6hcj@juno.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [157393] RE: WTB or trade: Weights for Vibroplex Bug
Message-ID: <000401c37422\$d3f0f580\$7e01a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Marv, some weights are for keys with the flat springs, and others are for the keys using the cylindrical spring rods. The present Vibroplex factory facility should have them both as replacement parts.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L #687
<http://users.adelphia.net/~alexmm/ai2q.htm>

.-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Marv Fagenson
Sent: Friday, September 05, 2003 7:43 PM
To: Low Power Amateur Radio Discussion
Subject: WTB or trade: Weights for Vibroplex Bug

My buddy Len, W6AUG (DX honor roll) is in need of 2 or 3 weights for any Vibroplex bug. He picked this up at the local swap meet and the weights are missing. Contact Len directly at W6AUG@arrl.net or phone 818-998-7421.

mni tnx and 72,
Marv Fagenson
k6hcj@Juno.com

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Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Fri, 05 Sep 2003 20:28:37 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>,
 GQRP <gqrp@groups1.vip.scd.yahoo.com>

Subject: [157394] New Elecraft Product: KX1 Ultra-portable HF QRP Transceiver
Message-ID: <3F595465.3070803@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=windows-1252; format=flowed
Content-Transfer-Encoding: 8bit

The Elecraft KX1 is a very compact, multi-band CW transceiver optimized for backpacking and travel use. With internal battery, internal automatic antenna tuner, plug-in keyer paddle, and log-book lamp, it offers a high level of integration. The enclosure measures just 1.2 x 3 x 5.3 inches (3 x 7.5 x 13 cm), and the transceiver weighs just 9 ounces (11 ounces with both the optional ATU and keyer paddle installed).

Unlike most transceivers, the KX1's controls are located on the top of the cabinet, and the keyer paddle attaches at the front. This trail-friendly format is ideal for hand-held or lap-top operation, e.g. when sitting on the ground, using a camp chair, reclining, or even standing. The KX1 is also at home on a table, providing an optimal viewing angle without a tilt stand. The unique plug-in keyer paddle is angled at 45 degrees for ease of use and is both physically and electrically reversible for right- or left-handed operators.

The transceiver covers the full 40 and 20 meter bands, and optionally 30 meters. The VFO uses a DDS (direct digital synthesis) IC, so it can also tune nearby SWL band segments. A variable-bandwidth crystal filter permits reception of SSB and AM as well as CW. This facilitates cross-mode contacts and reception of HF AM broadcast stations.

The KX1's internal six-cell battery pack can be changed in seconds with the removal of two thumb screws. The battery provides 1 to 2 watts power output. An external 12 V supply increases output to about 4 watts. Low receive-mode current drain (34 mA typ.) results in internal battery life of 20 hours or more during casual operation.

The KX1 uses a highly-efficient 3-digit LED display that adds just 1 to 2 mA to total current drain in moderate lighting conditions. The operator can adjust both the display brightness and off-timeout (after last keypress). Operation without the display is possible if the CW feedback feature is turned on. This provides audible readout of the VFO frequency and other information.

Additional features include frequency memories, three VFO tuning rates, RIT, and S-meter display. The built-in keyer offers Iambic modes A and B and two message buffers. In an emergency, two front panel switches can be used as a keyer paddle or manual key.

The KX1 is suitable for first-time builders. The basic unit consists of a single printed circuit board, with no surface mount components to install (the three surface mount parts used are pre-installed).

The KX1 kit sells for \$289. First shipments will commence at at the Pacificon convention, Oct. 17-19th, and the week following.

For more information on the KX1, including pictures, data sheet and on line ordering see the KX1 page at: <http://www.elecrafter.com>

Date: Fri, 05 Sep 2003 20:39:02 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@groups1.vip.scd.yahoo.com>
Subject: [157395] KX1 Price correction
Message-ID: <3F5956D6.6070507@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The KX1 announcement email had the KX1 incorrectly prices \$10 too high.

The correct KX1 price is \$279.

73, Eric WA6HHQ

Date: Fri, 05 Sep 2003 22:44:36 -0500
From: KD5NWA <KD5NWA@cbayona.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157396] Re: ARRL on-line courses
Message-ID: <5.2.0.9.0.20030905224048.00a97be8@127.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

How about a "How to safely feed your 1.5 KW amplifier into the Power Lines" course.

If the power company wants to feed RF into the lines, we could help them.

Just Kidding ;-}

At 11:35 AM 9/3/2003, Hare,Ed, W1RFI wrote:

>Hi, guys,

>

>Our on-line course guy is brainstorming on what new courses should be
>offered. We have an "antennas 101" and propagation course in the works,
>but are looking for other good ideas.

>

>So if you have any good ideas for courses, send them to Howard Robins,
>W1HSR@arrl.org.

>

>73,

>Ed Hare, W1RFI

>ARRL Lab

>225 Main St

>Newington, CT 06111

>Tel: 860-594-0318

>Internet: w1rfi@arrl.org

>Web: <http://www.arrl.org/tis>

>

>ARRL is the National Association for Amateur Radio. It is supported by
>membership dues, individual contributions and the sale of publications
>and advertising. For more information about ARRL, go to
><http://www.arrl.org/news/features/inside-your-league.html>. For more
>information about membership, go to <http://www.arrl.org/join.html>. Your
>contribution can also help support ARRL's ongoing efforts to protect
>Amateur spectrum. Go to
><https://www.arrl.org/forms/development/donations/basic/> to learn more
>about the ways you can support the ARRL programs and activities of most
>importance to you. You can help ARRL protect Amateur Radio for you and
>future generations to enjoy.

Cecil

KD5NWA

Date: Fri, 5 Sep 2003 20:46:38 -0700

From: "John_K7FD" <john_k7fd@cablespeed.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [157397] Re: New Elecraft Product: KX1 Ultra-portable HF QRP Transceiver

Message-ID: <000601c37429\$7a5fb680\$3801a8c0@hitradio99>

MIME-Version: 1.0

Content-Type: text/plain;

charset="Windows-1252"

Content-Transfer-Encoding: 7bit

I like it...lots of innovation here...

73 John K7FD

Subject: New Elecraft Product: KX1 Ultra-portable HF QRP Transceiver

> For more information on the KX1, including pictures, data sheet and on
line

> ordering see the KX1 page at: <http://www.elecraft.com>

Date: Fri, 5 Sep 2003 23:54:06 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157398] RE: ARRL on-line courses
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F3CA3@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

You may be kidding, but I know a couple of guys who are not! Let's hope =
they don't really do it.

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

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membership dues, individual contributions and the sale of publications =
and advertising. For more information about ARRL, go to =
<http://www.arrl.org/news/features/inside-your-league.html>. For more =
information about membership, go to <http://www.arrl.org/join.html>. Your =
contribution can also help support ARRL's ongoing efforts to protect =

Amateur spectrum. Go to =
<https://www.arrl.org/forms/development/donations/basic/> to learn more =
about the ways you can support the ARRL programs and activities of most =
importance to you. You can help ARRL protect Amateur Radio for you and =
future generations to enjoy.

> -----Original Message-----

> From: KD5NWA [mailto:KD5NWA@cbayona.com]

> Sent: Friday, September 05, 2003 11:45 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: ARRL on-line courses

>=20

>=20

> How about a "How to safely feed your 1.5 KW amplifier into=20

> the Power Lines"=20

> course.

>=20

> If the power company wants to feed RF into the lines, we=20

> could help them.

>=20

> Just Kidding ;-}

>=20

>=20

> At 11:35 AM 9/3/2003, Hare,Ed, W1RFI wrote:

> >Hi, guys,

> >

> >Our on-line course guy is brainstorming on what new courses=20

> should be=20

> >offered. We have an "antennas 101" and propagation course=20

> in the works,=20

> >but are looking for other good ideas.

> >

> >So if you have any good ideas for courses, send them to=20

> Howard Robins,=20

> >W1HSR@arrl.org.

> >

> >73,

> >Ed Hare, W1RFI

> >ARRL Lab

> >225 Main St

> >Newington, CT 06111

> >Tel: 860-594-0318

> >Internet: w1rfi@arrl.org

> >Web: <http://www.arrl.org/tis>

> >

> >ARRL is the National Association for Amateur Radio. It is=20

> supported by=20

> >membership dues, individual contributions and the sale of =20
> publications=20
> >and advertising. For more information about ARRL, go to=20
> ><http://www.arrl.org/news/features/inside-your-league.html>. For more=20
> >information about membership, go to=20
> <http://www.arrl.org/join.html>. Your=20
> >contribution can also help support ARRL's ongoing efforts to protect=20
> >Amateur spectrum. Go to=20
> ><https://www.arrl.org/forms/development/donations/basic/> to=20
> learn more=20
> >about the ways you can support the ARRL programs and=20
> activities of most=20
> >importance to you. You can help ARRL protect Amateur Radio=20
> for you and=20
> >future generations to enjoy.
>=20
> Cecil
> KD5NWA=20
>=20
>=20

Date: Fri, 5 Sep 2003 23:59:44 -0400
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [157399] RE: Broadband on Power Lines
Message-ID: <721D3436A7C2B344A301FD4A413C71A9016F3CA4@kosh.arrlhq.org>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Those who take the stand taken in the article are not doing the industry =
any favors. The interference issue is real and as those of us who have =
studied it continue to press the point, more start studying it and =
joining that press.

At this point, all of the major players except for one are taking the =
"there is no interference" stance, or saying that it would be very rare. =
That leaves no room for them to try to find technical solutions. How =
can anyone work with them on a problem they insist does not exist. The =
first step would be to acknowledge that they have a problem.=20

How would amateur radio have fared if when TVs started to become =
popular, hams denied that their harmonics could cause interference, and =
refused to do the research done by McCoy and others to find practical =

solutions? I can tell you; we would not be a footnote in the history =
books. Part of our very survival -- any industry's very survival in the =
spectrum world -- demands that we address our regulatory responsibilities =
fairly. Hams CAN cause TVI, and if harmonics are the cause, they gotta' =
'fess up, and fix their problem.=20

73,=20

Ed Hare, W1RFI

ARRL Lab

225 Main St

Newington, CT 06111

Tel: 860-594-0318

Internet: w1rfi@arrl.org

Web: <http://www.arrl.org/tis>

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and advertising. For more information about ARRL, go to =
<http://www.arrl.org/news/features/inside-your-league.html>. For more =
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contribution can also help support ARRL's ongoing efforts to protect =
Amateur spectrum. Go to =
<https://www.arrl.org/forms/development/donations/basic/> to learn more =
about the ways you can support the ARRL programs and activities of most =
importance to you. You can help ARRL protect Amateur Radio for you and =
future generations to enjoy.

> -----Original Message-----

> From: Tim Groat [mailto:tcgroat@earthlink.net]

> Sent: Friday, September 05, 2003 9:23 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Broadband on Power Lines

>=20

>=20

> The credit line of the article was snipped, but it was to be expected:

> "Dr Keith MacLean is the chairman of the PLC Forum's Commercial and=20

> Marketing Working Group." The article should be considered as=20

> accurate and=20

> unbiased as any other marketing press release.

>=20

> 72,

> --Tim (KR0U)

>=20

>=20

Date: Fri, 5 Sep 2003 22:07:53 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Elecraft List" <elecraft@mailman.qth.net>,
"QRP-L" <qrp-l@lehigh.edu>, "GQRP" <gqrp@groups1.vip.scd.yahoo.com>
Subject: [157400] Re: [Elecraft] New Elecraft Product: KX1 Ultra-portable HF QRP
Transceiver
Message-ID: <005301c3742c\$72ad7820\$6401a8c0@Sherman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

WOW!

I want one: with 30m, and the ATU...and lots of time to go hiking with
it. :-)

73 Rod, N0RC

----- Original Message -----

From: "Eric Swartz WA6HHQ - Elecraft" <eric@elecraft.com>
To: "Elecraft List" <elecraft@mailman.qth.net>; "QRP-L"
<qrp-l@lehigh.edu>; "GQRP" <gqrp@groups1.vip.scd.yahoo.com>
Sent: Friday, September 05, 2003 9:28 PM
Subject: [Elecraft] New Elecraft Product: KX1 Ultra-portable HF QRP
Transceiver

> The Elecraft KX1 is a very compact, multi-band CW transceiver
optimized for
> backpacking and travel use. With internal battery, internal automatic
antenna
...

Date: Fri, 05 Sep 2003 21:20:11 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>,
GQRP <gqrp@groups1.vip.scd.yahoo.com>
Subject: [157401] KX1 PCB picture and comparison chart added
Message-ID: <3F59607B.2050405@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I've just added an internal KX1 PCB picture and a lightweight transceiver comparison chart to our KX1 page at <http://www.elecrafter.com>

73, Eric WA6HHQ

Date: Fri, 05 Sep 2003 22:05:07 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Chuck Adams <k7qo@commspeed.net>
Cc: Elecraft List <elecraft@mailman.qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [157402] Re: KX1 Question
Message-ID: <3F596B03.30608@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

More voltage = more power out. The KX1 can use Alkaline, NiMh and Lithium AA cells with no problem. It will run down to 6.5 V and up to at least 14 V.

73, Eric

(I'm now off line for a couple of days :-)

=====

Chuck Adams wrote:

> Eric,
>
> No mention of what will happen if you substitute NiMH for the alkaline
> batteries.
> You photo shows Lithium and I'm not sure they have the same 1.2V value vs.
> the 1.5V of alkaline batteries.
>
> Neat looking rig.
>
> dit dit
>
>
>
> Chuck Adams K7QO k7qo@commspeed.net
> <http://www.qsl.net/k7qo> CP-60
>
> Moving to Arizona? Please bring your own water.
>

>

Date: Sat, 6 Sep 2003 05:59:34 +0000
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [157403] All this HYPE about BPL radio interference ?
Message-ID: <20030906.060053.-240169.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

What did we (ham radio types) do when the 'common television set became a radio interference problem back in the fifties?

What did we do when the common personal computer became a radio interference problem just a little later?

What did we do when your neighbor's sketty-eigh inch W I D E screen TV became a radio interference problem?

What do we do on field day when adjacent ham radio transmitters become a radio interference problem?

What am I going to do now that my common "wireless" telephone is a problem?

Now, what will I do if this BPL stuff becomes a problem?

What ham radio all about!

We -are- radio types,
(I will not sit here and bitch about this group or that company)
I will find a solution and fix a radio problem . . .

John
N3AAZ
00TC
FM 19 xa

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Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sat, 6 Sep 2003 09:48:03 +0100
From: "Paul Stroud" <aa4xx@bellsouth.net>
To: <klqrp@knightlites.org>
Cc: <qrp-1@lehigh.edu>
Subject: [157404] QRP Afield Sept 20th
Message-ID: <000701c37453\$95901060\$6101a8c0@m1d0u0>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Fellow QRP'ers,

Several of us will be heading out to Shining Rock Wilderness for the forthcoming QRP Afield event on Saturday, Sept 20th.

We will be camping Friday and Saturday nights between Black Balsam Knob and Sam Knob, site of several previous QRP FD events. Our site is accessed via the Blue Ridge Parkway, SW of Asheville, NC.

We welcome family and friends to join us on this high mtn adventure. Pse contact me for more information.

72, Paul AA4XX

Date: Sat, 6 Sep 2003 10:21:15 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-1@mpna.com, qrp-1@Lehigh.EDU
Subject: [157405] QRP Field day !
Message-ID: <20030906.102120.3526.0.kc8aon@juno.com>

Just got my latest issue of 73 Amateur Radio Today magazine in the mail this AM, and there is a suggestion in the Never Say Die Department to have a monthly QRP field day on the last Saturday of each month. Sounds fun to me ! What does everyone else think ?

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP AmQRP
I'll give up CW when I'm dead ! MAYBE !

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sat, 6 Sep 2003 08:01:17 -0700
From: "DTX" <dtx@wood.tzo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157406] Re: All this HYPE about BPL radio interference ?
Message-ID: <001401c37487\$b96c5f00\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Quite a fruit salad you made there, John, mixing up all those apples and oranges and pears and such ;-)

Gary WA6DTX
----- Original Message -----
From: "John R Kirby" <n3aaz-qrp@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Friday, September 05, 2003 10:59 PM
Subject: All this HYPE about BPL radio interference ?

>
> What did we (ham radio types) do when the 'common television set became
> a radio interference problem back in the fifties?
>
> What did we do when the common personal computer became a radio
> interference
> problem just a little later?
>
> What did we do when your neighbor s sketty-eigh inch W I D E screen TV
> became a radio interference problem?
>
> What do we do on field day when adjacent ham radio transmitters become a
> radio interference problem?
>
> What am I going to do now that my common "wireless" telephone is a
> problem?
>
> Now, what will I do if this BPL stuff becomes a problem?
>

> What ham radio all about!
>
> We -are- radio types,
> (I will not sit here and bitch about this group or that company)
> I will find a solution and fix a radio problem . . .
>
> John
> N3AAZ
> OOTC
> FM 19 xa
>
>

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> Surf the web up to FIVE TIMES FASTER!
> Only \$14.95/ month - visit www.juno.com to sign up today!
>

Date: Sat, 6 Sep 2003 10:11:25 -0500
From: "Pat Whelton" <pwhelton@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157407] Re: QRP Field day !
Message-ID: <001601c37489\$2422ae20\$8901a8c0@Earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Damn. What time do you get mail? It's barely 10:00 in the morning. We normally don't get mail in our neighborhood until about 4:00 or 5:00 in the evening (if he feels like delivering it).

----- Original Message -----
From: "Rick McKee" <kc8aon@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, September 06, 2003 9:21 AM
Subject: QRP Field day !

> Just got my latest issue of 73 Amateur Radio Today magazine in the mail
> this AM, and there is a suggestion in the Never Say Die Department to
> have a monthly QRP field day on the last Saturday of each month. Sounds
> fun to me ! What does everyone else think ?
>
> 72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl

> SW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
> Homebrew 6V6 tube TX & Hallicrafters SW500 RX
> QRP-L #2112, FPqrp #33, AR QRP AmQRP
> I'll give up CW when I'm dead ! MAYBE !
>
>
> -----
> The best thing to hit the internet in years - Juno SpeedBand!
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> Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sat, 6 Sep 2003 10:19:13 -0500
From: "Craig Johnson" <cbjohns@cbjohns.com>
To: <qrp-l@lehigh.edu>
Subject: [157408] SPICE simulation controversy
Message-ID: <016001c3748a\$3afaa700\$6201a8c0@cbjp2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am curious about the response that people on QRP-L will have to the article in this month's (9/1/03) issue of Electronic Design magazine. Those who don't subscribe can read the article here - on their web page:
<http://www.elecdesign.com/Articles/Index.cfm?ArticleID=5632>

This author, Bob Pease, is a VERY well known and respected engineer from National Semiconductor.

In the article Bob discusses the use of Spice as a design tool. Much to my surprise, Bob thinks the use of Spice is a crutch that should be avoided.

I have learned a great deal from my Spice modeling of oscillators and many other circuits.
(Many thanks go to Jim Kortge, K8IQY, for helping me get over several hurdles a couple of years ago when I was getting started in this.) I have always thought of Spice as a wonderful way to understand how a circuit works and a way to make sure the design is right before committing it to hardware. On the contrary, Bob says:

"An engineer should design as many things as possible, scribbling on the backs of

envelopes, or modifying breadboards. Pretending that Spice is a substitute for that is an error! Pretending that Spice is even helpful is an error."

Wow! That's really a different angle to ponder.

What do you people think? Do you use Spice for your designs? Do you depend on it?

Or do you just use it to get a better understanding of a design after it is already working to some degree?

72,
Craig, AA0ZZ

Date: Sat, 06 Sep 2003 11:20:07 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [157409] Re: QRP Field day !
Message-ID: <3F59C2E7.11899.ED13555@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

> Just got my latest issue of 73 Amateur Radio Today magazine in the mail
> this AM, and there is a suggestion in the Never Say Die Department to
> have a monthly QRP field day on the last Saturday of each month. Sounds
> fun to me ! What does everyone else think ?

I saw that, too. (I only read 73 because Wayne Green make me feel normal. I always read it with a cup of coffee, with sugar, and a nice juicy hamburger)

Anyway, I think it would be a neat idea. Field ops are my favorite activity. If there is any interest, I'd be glad to help Rick with log checking, posting results, etc.

John W2AGN

Date: Sat, 6 Sep 2003 10:54:27 -0500
From: "Steve Yates - AA5TB" <aa5tb@arrl.net>

To: "QRP-L Distribute" <qrp-1@Lehigh.EDU>
Subject: [157410] Re: All this HYPE about BPL radio interference ?
Message-ID: <000301c3748f\$2a5eb120\$a500a8c0@texas.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't think that some hams realize the seriousness of the situation. The interference sources that John mentions do not compare at all to that possible with BPL. An after the fact "radio" fix isn't going to do it.

Part 15 rules rely partially on the fact that in all probability a Part 15 device won't be near something that it will cause interference to. When it does cause interference the problem is expected to be resolved locally. BPL will be everywhere and is guaranteed to cause interference and has already been proven to do so (when given the chance!). Part 15 emission limits do not guarantee that a device won't cause interference, it just won't normally be heard unless you live near the source. With BPL nearly everyone lives "within" the source!

I think that a lot of the public believes that just because a device is within Part 15 emission limits that it will not cause interference. Amateurs deal with signals that are normally way below these emission levels all of the time. I routinely hear Part 15 devices from blocks away.

I've read that BPL won't cause interference because it is typically 30dB down from the same signal emitted from a resonant dipole. Regardless of the fact that from an engineering stand point I don't believe that statement, we as practioners of low power amateur radio should know that even this would be a great problem. If I were to take my Rock-Mite and string a full sized dipole in the room next to your radio room and throw in a 30dB attenuator, do you really think that I would not heard? I would probably still be +30dB over S9!

LISTEN to Ed Hare! He knows what he is talking about.

73,
Steve Yates - AA5TB

<http://www.qsl.net/aa5tb/>

Date: Sat, 6 Sep 2003 09:05:24 -0700
From: "Lyle Johnson" <wa7gxd@fidalgo.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [157411] RE: SPICE simulation controversy
Message-ID: <NEBBKGGNGLGOHDJKFAPHAEBEOAA.wa7gxd@fidalgo.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Craig!

I think Bob is taking a fairly extreme position, but the context was that SPICE wouldn't accurately model the dissipation in a MOSFET under extreme, non-linear conditions. As a result, it would give the designer a false sense of security that the design was OK, when in fact it was an unreliable design.

If a person **really** understands SPICE and its limitations, it can be a useful tool. If one doesn't, then the results of any SPICE simulation must be viewed with skepticism and suspicion. And of course it is hard to know which part of the analysis one should be suspicious of if you don't **really** understand both the problem **and** the tool... Extreme examples of this can be found in published articles by people using antenna modeling software!

In general, Bob has been consistent over the years in his rejection of SPICE and similar tools, preferring a hands-on and "back to basics" understanding on the part of the engineer. Maybe it is part of the "if you can't solve it on a slide rule, you shouldn't use a calculator or computer" philosophy. If you don't have a feel for the problem you are solving and some expectations of what a reasonable solution might look like, you don't understand the problem well enough to be trying to solve it.

Personally, I use tools like SPICE or ARD for modeling filters and some low level stuff. But I am no expert, don't understand most of the nuances, and assume the results are ballpark but not definite.

I think Bob would like Experimental Methods in RF Design :-)

YMMV

72,

Lyle KK7P

Date: Sat, 06 Sep 2003 15:51:13 +0000
From: Larry Cahoon <lejek@erols.com>

To: qrp-1@lehigh.edu
Subject: [157412] WV Fall All QRP
Message-ID: <5.1.0.14.0.20030906151012.01d70040@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The planned QSO with Diz, W8DIZ, this morning came off as planned without a hitch - solid 559 both ways to put Morgan County, KY in the the log to finish off the state of KY all QRP. Diz made a special trip out there, spent the night and set up this morning on a hill at the county fairgrounds. Many Tnx Diz.

Average power to work a KY county came in at 0.90 watts. Now only five more counties to have all 3077 QRP CW.

73 de Larry.....WD3P in MD
<http://www.wd3p.net/>

Date: Sat, 6 Sep 2003 12:15:32 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <cbjohns@cbjohns.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157413] Re: SPICE simulation controversy
Message-ID: <009a01c37492\$1da7f6a0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The bottom line is that if you don't understand it in the first place, SPICE isn't going to be a magical tool to let you do things where an understanding is necessary.

SPICE is a tool, and it's only as good a tool as it's definitions of elements and functions. As such, it's of marginal use when you are pushing things to the limits of devices.

It's like trying to use a GPS cookie crumb trail to draw maps. When your speed is such that the crumbs only drop every 60 seconds and you're trying to drive down a street and pull into everyones driveway to mark where they all are...

Mike

Date: Sat, 6 Sep 2003 13:00:16 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <landr@nbnet.nb.ca>, <ab4rl@lomag.net>
Subject: [157414] Re: Elmer 160
Message-ID: <007601c37498\$58af99a0\$080044c0@BrianBoru>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I haven't forgotten you guys.

I had what sounded like a good candidate for an existing kit to use as an experimental platform. After waiting too long to order it, then being frustrated on how long it took to arrive (not really that bad, just impatience), I now have it assembled and have run the first couple of experiments. The real proof of the pudding, though, is some testing I hope to get done today.

The bad news is that even with an already existing platform to experiment on, we still need parts for a programmer. The parts are all easily available, but many folks have expressed a preference for kits. But kits take time to assemble, and I'm still not 100% locked and loaded on what we need, so still a bit of an issue there. There are a lot of programmers available, but they seem to be either expensive, or make assumptions about your PC that may not be all that valid. (PCs are changing quite a lot lately in ways other than speed, so a lot of the programmers that have been around for a while have issues.)

I spent quite a bit of time sorting out how you get out of NT/W2K/XP, which are determined to make sure that things like programming software don't work. Life was a lot easier with DOS or even Win9x. But, we're now ready to describe how to do that.

I have the first lesson pretty much written, and the programs for the next couple worked out, so I am progressing, although well behind plan.

So, back to melting solder

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Laurie Landry" <landr@nbnet.nb.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, September 04, 2003 7:03 PM
Subject: Re: Elmer 160

> Hi,
> Has the Elmer 160 tutoring started? With all the viruses and worms on
> the net, an important message could have been eaten alive!
> Laurie, VE1AWJ
>
>

Date: Sat, 06 Sep 2003 17:03:02 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [157415] Re: SPICE simulation controversy
Message-ID: <Law15-F10430PEREwo700033647@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "Craig Johnson" <cbjohns@cbjohns.com>
>Reply-To: cbjohns@cbjohns.com
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: SPICE simulation controversy
>Date: Sat, 6 Sep 2003 10:19:13 -0500
>
>I am curious about the response that people on QRP-L will have to the
>article in this
>month's (9/1/03) issue of Electronic Design magazine. Those who don't
>subscribe
>can read the article here - on their web page:
><http://www.elecdesign.com/Articles/Index.cfm?ArticleID=5632>
>
>This author, Bob Pease, is a VERY well known and respected engineer from
>National
>Semiconductor.
>
>In the article Bob discusses the use of Spice as a design tool. Much to my
>surprise,
>Bob thinks the use of Spice is a crutch that should be avoided.
>

>I have learned a great deal from my Spice modeling of oscillators and many
>other circuits.
>(Many thanks go to Jim Kortge, K8IQY, for helping me get over several
>hurdles a couple
>of years ago when I was getting started in this.) I have always thought of
>Spice as a
>wonderful way to understand how a circuit works and a way to make sure the
>design is right
>before committing it to hardware. On the contrary, Bob says:
>
>"An engineer should design as many things as possible, scribbling on the
>backs of
>envelopes, or modifying breadboards. Pretending that Spice is a substitute
>for that
>is an error! Pretending that Spice is even helpful is an error."
>
>Wow! That's really a different angle to ponder.
>
>What do you people think? Do you use Spice for your designs? Do you
>depend on it?
>Or do you just use it to get a better understanding of a design after it is
>already working
>to some degree?

I recently came across some similar comments by someone else. SPICE was originally intended for designing ICs, and is still used for this purpose. Where I used to work, we used an ASIC that was simulated with SPICE, the simulation took several days! If the SPICE simulation produced the wrong results, the design was changed. This process went on for weeks.

I usually use it for checking something after it has been designed, before actually building it.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 423947

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

Use MSN Messenger to send music and pics to your friends
<http://www.msn.co.uk/messenger>

Date: Sat, 6 Sep 2003 10:05:22 -0700 (PDT)

From: Lloyd Lachow <llachow@yahoo.com>
To: "Li'l Piggies" <fpqrp-l@mpna.com>, sidebar a <Sidebar@vk2tips.com>,
a low-energy group <qrp-l@lehigh.edu>
Subject: [157416] nice Saturday things...
Message-ID: <20030906170522.49214.qmail@web41015.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Well, the bands are excellent, and crawling with
DX, getting ready for the NA Sprint tonight! Very
fine. But I'm going fishing with my son.

The Sprint is an excellent contest...try it if you
can...but research it a bit first, so you'll be
prepared...I can't do that either, 'cause a friend is
having Commander Cody playing in his yard tonight, for
80 close friends...we're going to that, but I wish it
was a different night...

=====

73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
Hunk o' Wahr - Begali Magnetic Classic Paddles
ARRL - ARS - QRParci - QCWA - FISTS #8774
FPQRP #476 - QRP-L - BORG #2
Fun = Skill / Power ! 8^D

Do you Yahoo!?

Yahoo! SiteBuilder - Free, easy-to-use web site design software
<http://sitebuilder.yahoo.com>

Date: Sat, 6 Sep 2003 10:14:18 -0700
From: "Chris Trask" <chistrask@earthlink.net>
To: <cbjohns@cbjohns.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157417] Re: SPICE simulation controversy
Message-ID: <001f01c3749a\$500b2880\$60044bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"

Content-Transfer-Encoding: 7bit

On Saturday, September 06, 2003, Craig Johnson wrote:

>
> In the article Bob discusses the use of Spice as a design tool.
> Much to my surprise, Bob thinks the use of Spice is a crutch
> that should be avoided.
>

I have read and admired Bob Pease for over a decade now, and his position of SPICE being a crutch does not surprise me at all. Not do I disagree with him in any way. I have seen too many engineers who can do nothing but model a circuit using SPICE and other simulators, but who have little or no hands-on experience in circuit design. It is a relatively safe position to take as you can avoid making mistakes and having things blow up on the bench with the embarrassing show of smoke and sparks.

Such people make very poor designers as they learn little or nothing about actual circuit design, and they usually end up doing more menial tasks such as being managers, salesmen, or microprocessor programmers. They have decided to take the path of least effort, and end up accomplishing virtually nothing, producing absolutely nothing, and being nothing. And when in a position of responsibility such as managers, they make certain that nobody else accomplishes anything as they are determined to protect themselves from being reminded that they failed where others have, can, and will succeed. They in fact will limit everyone else's abilities to that of their own.

Bob is exactly right in his observation that SPICE actually hurts your understanding of how circuits work. There is no substitute for the experience gained in making a circuit work at the bench, especially the lessons learned along the way as to how a circuit will NOT work, and the more devastating the better. SPICE and other such simulators tools, and nothing more than that. They are a part of your arsenal in getting the job done, but they are not in any way an absolute in understanding circuit design.

There is no substitute for hands-on design experience.

Chris

/-----. / What's all this \ / extinct stuff, anyhow? / _-----,-----' _ / oo\ (__)\	High Performance Mixers and Amplifiers for RF Communications Chris Trask / N7ZWY Principal Engineer Sonoran Radio Research P.O. Box 25240
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Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: chistrask@earthlink.net
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

----- Original Message -----

From: "" <cbjohns@cbjohns.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: 8:19 AM

Subject: SPICE simulation controversy

> I am curious about the response that people on QRP-L will have to the article in this month's (9/1/03) issue of Electronic Design magazine. Those who don't subscribe can read the article here - on their web page:
> <http://www.elecdesign.com/Articles/Index.cfm?ArticleID=5632>
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>
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depend on it?
> Or do you just use it to get a better understanding of a design after it
is already working
> to some degree?
>
> 72,
> Craig, AA0ZZ
>
>

Date: Sat, 6 Sep 2003 10:48:43 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [157418] Re: QRP Field day !
Message-ID: <20030906174843.89694.qmail@web20421.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- John Sielke <jsielke@pobox.com> wrote:

> I saw that, too. (I only read 73 because Wayne Green make me feel
> normal. I
> alwys read it with a cup of coffee, with sugar, and a nice juicy
> hamburger)

Only some one who has read Wayne's editorials would get that! ;-)

Jeff

=====
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798, Fanatic A's fan #1

Date: Sat, 6 Sep 2003 13:50:29 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [157419] Re: QRP Field day !
Message-ID: <20030906.135041.3526.4.kc8aon@juno.com>

LOGS ? Posting results ? Hell, we don't need all those formalities !
Anyone interested, just get out in the field and operate on the last
Saturday of each month. Pack a picnic lunch, or some hot dogs to cook on
a stick over a camp fire, along with your favorite beverages and snacks,
go to your favorite mountain / hill top, campsite, city park, house boat,
back yard etc, sit back, relax, and operate QRP in the field. Operate by
battery or solar power and keep the equipment list simple. For a log,
use some sort of notebook (yes, paper ! - that's real QRP !), keep track
of how many QSO's you had and just post the results here when you get
home. No contest rush, no rules to remember except to keep it under 5
watts, and have fun ! Have real QSO's, not just numbers exchanges - it
would be like taking a vacation once a month ! Experience the "Great
Outdoors" the relaxing way ! And, I'm not trying to belittle John's idea
either, if contesting is your thing, then go for it ! The main thing is
to enjoy and have some good old fashioned conversation - via Amateur
Radio !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP AmQRP
I'll give up CW when I'm dead ! MAYBE !

On Sat, 06 Sep 2003 11:20:07 -0400 "John Sielke" <jsielke@pobox.com>
writes:

I'd be glad to help Rick with log checking, posting results, etc.

John W2AGN

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Sat, 6 Sep 2003 12:09:06 -0600
From: "Bruce Kizerian" <kizerian@xmission.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157420] Re: SPICE simulation controversy
Message-ID: <002701c374a1\$f6ca0fe0\$380d46a6@98seoem>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I have used SPICE on occassion and learned a few things from using it, BUT it is not even a poor substitute for prototyping on the bench. To illustrate, I once modeled a simple JFET amplifier at many different bias levels in order to determine if I could successfully construct a very low power audio signal amplifier. I eventually did BUILD a reasonably good circuit but only after the SPICE simulations led me on a wild goose chase building circuits that either did not work at all or that burned up on the workbench (I modled a very broad range of bias levels!). SPICE said most of my circuits would work...in reality only a few did. SPICE is very good at telling you something will work when it won't, and even fairly good at telling you something won't work when it will.

And when you get into the realm of RF design SPICE is even worse. Try, for example, to model something with feedback--like the front end of a regenerative receiver. You might be able to make it work. I had a circuit that "sort of" worked in SPICE, but it took much longer to get it than it would have on the workbench.

When IC designers use SPICE, of necessity, they usually have access to much more complex and accurate models. This makes it possible for them to do more accurate simulations. A handful of these models would probably turn your desktop into a paperweight.

But when it comes to the design most of us do--especially analog design--SPICE is no substitute for prototyping on the bench...besides what's wrong with burning up a few components doing hands on experimenting, if you learn something?

Bruce kk7zz

Date: Sat, 6 Sep 2003 14:21:04 -0400
From: "George Heron N2APB" <n2apb@erols.com>
To: "NJQRP" <njqrp@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [157421] DDS Daughtercard Kits sold out
Message-ID: <00c801c374a3\$a36ce5a0\$e3307d41@GH001188>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We're SOLD OUT of the NJQRP DDS Daughtercards and are no longer accepting orders. We'll likely be kitting up another 300 before the Christmas holidays, so all hope is not lost. In fact, a QST article is in the works

for a great application of the DDS Daughtercard and many more kits could be available downstream as a result.

In the meantime, stay tuned for a new product introduction for a high-performance DDS kit ... the "IQ-VFO" by Craig Johnson AA0ZZ, as featured on the front cover of QHB #10 and as the lead-off technical article in that final issue. For a preview of this project, see the "QHB Extra!" postings of the project (<http://www.njqrp.org/qhbextra/10/10a.html>). Those photo show the prototype pc boards, but we now have the production pcb's .. they're red, and boy are they beautiful! (Copies of QHB #10 can still be ordered for \$5 ... PayPal to n2apb@amsat.org or mail to "George Heron N2APB", 2419 Feather Mae Ct, Forest Hill, MD 21050.)

73, George N2APB
for the NJQRP at <http://www.njqrp.org>
and the AmQRP at <http://www.amqrp.org>

Date: Sat, 6 Sep 2003 14:35:36 -0400
From: <bill@n4qa.com>
To: <qrp-1@Lehigh.EDU>
Subject: [157422] Re: nice Saturday things...
Message-ID: <000301c374a5\$ab7c9400\$5326ad80@f1n5n8>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I envy you, Lloyd.
So far today, I've moved sixty-five 80-lb bags of Quick-crete (Uh, that's a total of...5200 lbs) from our builder's truck in the driveway to the backyard... about 100 ft laterally and uphill about 5 ft. Ok, I did enlist the help of the garden tractor...
See, I get a new rig...IC-703...so the XYL gets a new sunroom.
Now, I gotta mow the entire yard, plus up and down the side of the road for about a half-mile.
I have taken some time to have a look at the new KX-1. It's really cute, but, whaddya reckon THAT would cost me? ... :)
Well, I'd better get back out there before 'She-who-rules-the-roost' gets back from the VA TECH game...Go Hokies!

"Life in the fast lane, surely make you lose yo' mind" - Eagles

73.

Bill, N4QA
<http://www.n4qa.com>

Date: Sat, 06 Sep 2003 11:49:25 -0700
From: Stephen Wandling <stephen@SwiftsureConsulting.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [157423] Wilderness Radio still shipping
Message-ID: <3F5A2C35.8070808@SwiftsureConsulting.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

The subject line says it all. I got this from Bob just now.

<snip>

Stephen,

Wilderness is alive and well in Missouri. We just completed shipping the backorders today and finally got my email working again, I hope.

The website has correct info on pricing and new address, it does not yet have my current email address which is qrpbob@leapmail.net

Please feel free to ask questions.

Qrpbob

Date: Sat, 06 Sep 2003 14:47:27 -0400
From: Brad Thompson <Brad.Thompson@valley.net>
To: cbjohns@cbjohns.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [157424] Re: SPICE simulation controversy
Message-ID: <5.0.2.1.2.20030906142403.01dbd880@pop3.norton.antivirus>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

For starters, SPICE uses models, and a model consists of a simplified, well-behaved version of a "real-world" component which is generally neither simple nor well behaved.

For example, I recall reading some years ago about a breadboarded circuit which didn't work correctly after 4 PM. The cause? Back in those days, silicon diodes included a cat's-whisker contact which impinged against the diode die (singular of dice). Diodes also sported a coat of paint, which in this instance chipped, allowing ambient late-afternoon sunlight to strike the die and induce a photocurrent that caused an offset voltage.

To my knowledge, no SPICE model of an ordinary diode includes that particular feature. Besides, many older components were either never modeled for SPICE, or else sported such wide tolerances that a single model wouldn't accurately describe their behaviors.

Second, many interesting circuits rely on boundary behavior on nonlinear operation-- a regen detector is a case in point. Modeling languages typically don't handle either very well.

Third, modeling languages are a discrete process. One can spend considerable time adjusting step sizes in an attempt to account for discrepancies between the model's and the actual circuit's behavior. One can get so wrapped up in making the simulation work that one loses touch with the goal-- a functioning circuit.

I've encountered a couple of situations in which E.E.s who specialized in digital circuit design created elaborate layouts that were logically correct-- and would simulate as such-- but didn't work when translated to a PC board. Why? The digital guys didn't know about bypass capacitors, nor did they worry about power distribution to, and heat removal from, the ICs on the board.

Simulation can help you explore a well-behaved circuit , but you have to know what "well behaved" means before you start simulating. And once you have a well-behaved, accurately-simulated circuit, Monte Carlo analysis can help you estimate effects of component tolerances-- but not prepare you for the day your vendor selects the middle of the distribution from a product run and ships you the tails!

73--

Brad AA1IP

At 10:19 AM 09/06/2003 -0500, Craig Johnson wrote:

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><http://www.elecdesign.com/Articles/Index.cfm?ArticleID=5632>
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>depend on it?
>Or do you just use it to get a better understanding of a design after it
>is already working
>to some degree?
>
>72,
>Craig, AA0ZZ

Date: Sat, 06 Sep 2003 15:20:54 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [157425] Re: QRP Field day !
Message-ID: <3F59FB56.28859.FADADDC@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

> ? Posting results ? Hell, we don't need all those formalities !
> Anyone interested, just get out in the field and operate on the last
> Saturday of each month. Pack a picnic lunch, or some hot dogs to cook on a
> stick over a camp fire, along with your favorite beverages and snacks, go to
> your favorite mountain / hill top, campsite, city park, house boat, back yard
> etc, sit back, relax, and operate QRP in the field. Operate by battery or
> solar power and keep the equipment list simple.

No, I have no problem with that idea. I just thought in terms of "Field Day,"
rather than "field day." ;-)

I think posting of experiences here on QRP-L is an excellent idea. Including
interesting QSOs, rig problems, biggest mosquitoes (I'd have that won hands
down, this year), etc. I always find the "Soapbox" part of results most
interesting. Shame we can't post pictures....but say, if there was interest,
I have spare space, and could post a few?

Anyway, don't forget QRP Afield, one of my favorite QRP contests (along with
QRPTTF) on the 20th. Will be bringing large quantities of DEET and smaller
quantities of RF down to the Maurice River.

John W2AGN

Date: Sat, 6 Sep 2003 15:19:34 -0400
From: "John Paul Keon" <jpkeon@nc.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
 <njqrp@njqrp.org>, "liqrp" <liqrp@mailman.qth.net>,
Subject: [157426] Fw: [KLQRP] QRP Afield Sept 20th
Message-ID: <009301c374ab\$cfaa9b00\$6401a8c0@nc.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I thought I would forward this along too.
To any of you who want to take a hike down/up here with us,
you are more than welcome.
JohnPaul/AB4PP
Subject: [KLQRP] QRP Afield Sept 20th

Fellow QRP'ers,

Several of us will be heading out to Shining Rock Wilderness for the
forthcoming QRP Afield event on Saturday, Sept 20th.

We will be camping Friday and Saturday nights between Black Balsam Knob
and Sam Knob, site of several previous QRP FD events. Our site is
accessed via the Blue Ridge Parkway, SW of Asheville, NC.

We welcome family and friends to join us on this high mtn adventure.
Pse contact me for more information.

72, Paul AA4XX

===== KL QRP Club Mailing List =====
To unsubscribe from this list, send email to
listserver@knightlites.org and put the text "unsubscribe klqrp"
in the message. To post a message to the list, send email to
klqrp@knightlites.org.

Date: Sat, 6 Sep 2003 12:37:50 -0700
From: "Thomas Kuehl" <ac7a@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157427] BPL Testing in Tucson?
Message-ID: <000501c374ae\$5bde6960\$120110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well it probably isn't BPL, but I am getting some very broad band interference here in Tucson. It covers 80-15 meters and sounds like a rotating noise source, with a rotation rate of about 2 cycles per second. The signal covers nearly each and every band, but peaks at particular frequencies. The signal strength is S9+10 at points on 80 and 40 meters, and more like S7 or lower on the higher bands.

I turned off the computer and other items, but yet it persists. It may be very local and something one of my neighbors have running. Anyone else observe this noise?

Regards, Thomas - AC7A (Tucson)

Date: Sat, 6 Sep 2003 16:12:57 -0400
From: "philip wilcox" <pwilcox6042@wideopenwest.com>
To: "Rick McKee" <kc8aon@juno.com>, <fpqrp-1@mpna.com>, <qrp-1@Lehigh.EDU>
Subject: [157428] Re: [fpqrp] QRP Field day !
Message-ID: <008e01c374b4\$ef1b87c0\$48362f45@wowway.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rick,
Before a once a month try I think I would go for once a quarter.

See how that goes. If throwing up an antenna in a local park would qualify, I would give it a try.

I am sure there are some who could go out once a month, but that would be pushing it for me.

Of course if there were to be a once a month, one would be able to pick and choose which month to participate in.

Phil

73 Totus Porcus Columbus, Ohio
WB8ABE FP #61 MP - 12 MP + # - 12 QRP ARCI 11082
DIREKT VOM SCHREIBTSCH DES FLIEGENDES SCHWEIN
40 1' 1" N 83 3' 58" W EN801a

----- Original Message -----

From: Rick McKee <kc8aon@juno.com>
To: <fpqrp-1@mpna.com>; <qrp-1@Lehigh.EDU>
Sent: Saturday, September 06, 2003 10:21 AM
Subject: [fpqrp] QRP Field day !

> Just got my latest issue of 73 Amateur Radio Today magazine in the mail
> this AM, and there is a suggestion in the Never Say Die Department to
> have a monthly QRP field day on the last Saturday of each month. Sounds
> fun to me ! What does everyone else think ?

>

> 72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
> SW 40+, SW-20+, Norcal BLT, Norcal Cascade, Yaesu FT-7,
> Homebrew 6V6 tube TX & Hallicrafters SW500 RX
> QRP-L #2112, FPqrp #33, AR QRP AmQRP
> I'll give up CW when I'm dead ! MAYBE !

>

>

>

> -----
> The best thing to hit the internet in years - Juno SpeedBand!
> Surf the web up to FIVE TIMES FASTER!
> Only \$14.95/ month - visit www.juno.com to sign up today!
> -To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-1 -
>

Date: Sat, 6 Sep 2003 13:25:14 -0700
From: "Chris Trask" <chestrask@earthlink.net>
To: <Brad.Thompson@valley.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [157429] Re: SPICE simulation controversy
Message-ID: <008201c374b4\$fbdf680\$60044bab@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Tom, do you have one of the "Sniffer" kits that are sold by the NJ QRP club on the AmQRP website? If you don't, I suggest that you get one, as it works great to sniff out the source of interference. You can also use an AM radio, but the Sniffer can be "Tuned" to the band you are having the interference on. If you do order the Sniffer kit, I highly recommend that you order the "Pittsburg Style" board from Joe Porter. The details are also on the same page. Good luck. 72, Doug

Date: Sat, 6 Sep 2003 15:46:00 -0500
From: "Brian Murrey" <brian@iquest.net>
To: <llachow@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [157431] Re: nice Saturday things...
Message-ID: <003c01c374b7\$e1f590b0\$02fea8c0@bjmw2k>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

"Son you're gonna drive me to drinkin' if you don't stop drivin' that hot rod Lincoln"

THAT Commander Cody?

----- Original Message -----
From: "Lloyd Lachow" <llachow@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, September 06, 2003 12:05 PM
Subject: nice Saturday things...

> Well, the bands are excellent, and crawling with
> DX, getting ready for the NA Sprint tonight! Very
> fine. But I'm going fishing with my son.
>
> The Sprint is an excellent contest...try it if you
> can...but research it a bit first, so you'll be
> prepared...I can't do that either, 'cause a friend is
> having Commander Cody playing in his yard tonight, for
> 80 close friends...we're going to that, but I wish it

> was a different night...
>
>
>
>
>
>
> =====
> 73, 72 es oo, Lloyd, K3ESE - Reisterstown, Maryland
> multiPIG+ #14 - K1 # 00379 - 20/40M Rock-Mites
> Hunk o' Wahr - Begali Magnetic Classic Paddles
> ARRL - ARS - QRParci - QCWA - FISTS #8774
> FPQRP #476 - QRP-L - BORG #2
> Fun = Skill / Power ! 8^D
>
> -----
> Do you Yahoo!?
> Yahoo! SiteBuilder - Free, easy-to-use web site design software
> <http://sitebuilder.yahoo.com>
>
>

Date: Sat, 06 Sep 2003 18:06:17 -0400
From: "John Sielke" <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [157432] Re: BPL Testing in Tucson
Message-ID: <3F5A2219.5808.7CC8E@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

> m, do you have one of the "Sniffer" kits that are sold by the NJ QRP club on
> the AmQRP website? If you don't, I suggest that you get one, as it works
> great to sniff out the source of interference. You can also use an AM radio,
> but the Sniffer can be "Tuned" to the band you are having the interference on.
> If you do order the Sniffer kit, I highly recommend that you order the
> "Pittsburg Style" board from Joe Porter. The details are also on the same
> page. Good luck. 72, Doug

And after you get your Sniffer Kit, you'll need a nice, clean used car to
drive around looking for that interference. By the purest coincidence I have

just what you need....just contact "Honest John's" Used Cars at
w2agn@w2agn.net. ; -)

John W2AGN

--

John L. Sielke

jsielke@pobox.com

<http://www.pobox.com/~jsielke>

"On'tday etlay ethay astardsbay earway ouyay ownday"

Date: Sat, 6 Sep 2003 18:14:13 -0400
From: Joel M Denison <hamjoel@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [157433] nutter 40mtr moxon up
Message-ID: <20030906.181414.-231035.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well finally got the two moxon's back to back on forty...I've been
listening to denmark since 5pm eastern time.... sun still high....
and the europeans are louder on the moxon facing them than the the one
facing the US>...
also pick up more noise pointed towards the lower 47 states...
this seems to be a quiet antenna...

I had to invent a rope trick to stretch it all out with just 5
trees.... very little sag and I have the two reflectors about 6ft apart
(back to back) and driven elements on either end...
i also put a dpdt switch in the house and can switch back and forth from
the us and euroope in a heart beat...the two antennas seem to load about
the same on the tuner.... will find out more later...

I think mr moxon done his homework on this antenna... and I thanks
him, my chillen thanks him and my wife give him a big smile...

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Date: Sat, 6 Sep 2003 18:19:21 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@Lehigh.edu
Subject: [157434] Standard Integrated Circuits..How Standard is Standard??
Message-ID: <200309062219.h86MJUWh003336@webmail.mondenet.com>

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

After reading some of the commentary on the SPICE simulation software..Im beginning to realize there are some real knowledgeable engineers and or technologists in this group.
Where I work..Nato Cataloguing for Canadian Military..I have many occassion where our technical staff seems "unsure" about how standard are the integrated circuits.
They seem reluctant to upgrade from say a 54LS00J to a 54LS00J/883B or to the even higher MIL SPEC VERSION..M38510/XXXXXBCA. type.
To me..the items are identical except they undergo more rigid scrutinization. IE>.no rework is allowed on the MIL SPEC chips.
All the materials are traceable with the MIL SPEC stuff (and probably the 883B stuff as well.
Im talking about older chips here. (We still have alot of old equipment still around)
My question is ..am I right about these standard components. Are chips (ICs) ..so very very standard..or can there be some significant variations between company to company?
I do know..that the digital IC families have to be kept segreated..ie no mixing LS chips with S or ALS chips (TTL).
thanks in advance..Earl VE3AB

Date: Sat, 06 Sep 2003 15:39:19 PDT
From: KEN BROWN <qrpers@juno.com>
To: qrp-l@Lehigh.edu
Subject: [157435] Solar Storm Warning
Message-ID: <20030907.173605.7831.0.QRPers@juno.com>

--minor storm period coming...
From: rwc <rwc@ips.gov.au>
Sat, 6 Sep 2003 07:31:21 +1000 (EST)
Sender: ips-geo-warning-admin@ips.gov.au
To: ips-geo-warning@ips.gov.au
Date: Fri, 5 Sep 2003 21:31:20 GMT
SUBJ: IPS GEOMAGNETIC DISTURBANCE WARNING 03/41
ISSUED AT 05/2129Z SEPTEMBER 2003
BY THE AUSTRALIAN SPACE FORECAST CENTRE.

INCREASED GEOMAGNETIC ACTIVITY EXPECTED
DUE TO CORONAL HOLE HIGH SPEED WIND STREAM
FROM 08-10 SEPTEMBER 2003

GEOMAGNETIC ACTIVITY FORECAST

08 Sep: Active, chance for minor storm period

09 Sep: Active

10 Sep: Active

IPS Radio and Space Services	email: asfc@ips.gov.au
PO Box 1386	WWW: http://www.ips.gov.au
Haymarket NSW 1240 AUSTRALIA	FTP: ftp://ftp.ips.gov.au
tel: +61 2 9213 8010	fax: +61 2 9213 8060

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Date: Sat, 6 Sep 2003 16:25:32 -0500
From: "Jerry Ford" <benlightnd13@mchsi.com>
To: "qrp-l" <qrp-l@lehigh.edu>, "Pigs" <multipigplus@yahooogroups.com>, "FPigs" <fpqrp-l@mpna.com>
Subject: [157436] Any piggies want to come out and play??
Message-ID: <043901c374bd\$67a1be00\$0077da0c@mchsi.com>

It's 22:45 UTC !

I'm listening on 7.044 for any calls. I'll be here for a couple of hours if anyone wants to stop by for a chat.

72 es oo Jerry N0JRN
FP # 546, ARS # 923, ARCI # 11049, ARRL,
Springfield, Mo. <http://home.mchsi.com/~n0jrn/>
MP + # 8, K 1 # 608, SW 20 +, TT 1340 , RM 20 &
40, Tiny Tornado 20, 30, 40, 80, SMK - 1
and so on and so on

End of QRP-L Digest 3035

